

ARCS IRT Blackbody Calibration Check Form**I. Calibration information**

This is a (check which):	Calibration	Calibration Check	Field Calibration
		X	
Date:	GMT Begin Time:	End Date:	GMT End Time:
8/21/2002	6:00	8/22/2002	4:45
MM/DD/YY		MM/DD/YY	
Instrument / System:	TWP OMS Part Number(s):		TWP OMS Serial Number(s):
IRT SKYRAD	KT19.85		nr867 WD17516
IRT GNDRAD	KT19.85		nr864 WD17513

Location (eg. PNNL, Manus):	Participant(s):	Issued by:	Signature(s):
Darwin	Troy, John		

Reference Instrument(s):	TWP OMS Part Number(s):	TWP OMS Serial Number(s):
Everest Reference Blackbody	1000	374
Everest Reference Blackbody	1000	

Current Configuration Version:	New Configuration Version:
V020822.00 SKY V020316 GND	

II. Initial Values

Sensor/Element:	Reference Blackbody s/n 374	Reading at IRT	Reading at ADaM BB374	Reference Blackbody s/n 416	Reading at IRT	Reading at ADaM BB416 / IRT
IRT SKYRAD	34.9	34.9	34.67	34.7	34.8	34.37
IRT GNDRAD	34.8	34.8-35.0	34.9	32.4	32.2	32.0-32.17

III. Final ValuesUNCHANGED: ☐CHANGED: ☐

Sensor/Element:	Reference Blackbody	Reading at IRT	Reading at Adam
IRT SKYRAD			
IRT GNDRAD			

IV. Statistics(if applicable)

No. of Samples:	Std. Dev.	CF Range %	Uncertainty %
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

V. Calibration Change(if applicable)

Sensor or Parameter	Sensor Serial No.		Internal Resistance (Ohms)		Original Sensitivity (Volts/Unit)		Offset		Quadratic	
	Old	New	Old	New	Old	New	Old	New	Old	New
IRT GRNRAD										

Document(s) Referenced:

PRO(IRT)-005.001
<input type="text"/>

Document(s) Updated:

PRO(IRT)-005.003
<input type="text"/>

PROBLEMS:

The inial test of the IRT showed no signal at the logger. Troy found a wire had been knocked loose when the wind direction sensor was re-wired.

NOTES:

John developed a mount for the portable blackbody for the Skyrad IRT. This gave similar readings to direct to IRT and calibrates the mirror effect as well.